CLAIMS

We claim:

1

6.

1 1. A system comprising: 2 a programmable first unit configured to translate programming information into 3 one or more remote control codes; and 4 b. a signal transmitter coupled to the first unit, the signal transmitter configured to 5 translate the remote control codes into control signals for controlling a recording 6 device and to transmit the control signals to the recording device. 1 2. The system of claim 1, wherein the first unit comprises a program server coupled to the 2 signal transmitter. 1 3. The system of claim 2, wherein the program server is configured to generate the 2 programming information and to translate the programming information into the remote control codes. 3 1 4. The system of claim 2, further comprising a remote host coupled to the program server 2 and to the signal transmitter, wherein the program server is configured to generate the 3 programming information and the remote host is configured to receive the programming 4 information and to translate the programming information into the remote control codes. 5. The system of claim 4, wherein the program server is coupled to the remote host over a 1 2 wide area network.

The system of claim 5, wherein the wide area network comprises the Internet.

1 7. The system of claim 4, wherein the program server is coupled to the remote host over a 2 local area network. 1 8. The system of claim 1, wherein the programming information corresponds to an 2 occurrence of a program. 1 9. The system of claim 8, wherein the program is a broadcast video program. 1 10. The system of claim 8, wherein the program is a broadcast audio program. 1 11. The system of claim 1, wherein the signal transmitter is programmed to automatically 2 transmit the control signals to the recording device at programmed times. 1 12. The system of claim 1, wherein the remote control codes are configured to program the 2 recording device to automatically record a program at a programmed time. 1 13. The system of claim 1, wherein the signal transmitter comprises a personal digital 2 assistant. The system of claim 1, wherein the signal transmitter comprises a cellular phone. 1 14. The system of claim 1, further comprising a recording device configured to receive the 15. 1

2

1

2

16.

remote control signals.

recorder.

The system of claim 15, wherein the recording device comprises a video cassette

- 1 17. The system of claim 15, wherein the recording device comprises a digital video recorder.
- 1 18. The system of claim 15, wherein the recording device comprises an audio recorder.
- 1 19. The system of claim 18, wherein the audio recorder comprises:
- a. a wireless receiver;
- b. an audio tuner coupled to the wireless receiver; and
- a programmable digital recorder coupled to the audio tuner, the programmable
 digital recorder configured to receive remote control codes over the wireless
 receiver from a program server at programmed times.
- 1 20. The system of claim 2, wherein the program server is configured to select one or more 2 programs from a pool of programs, thereby generating a list of programming information.
- 1 21. The system of claim 20, wherein the program server is configured to select the one or more programs using a selection criterion.
- 1 22. The system of claim 21, wherein the selection criterion is that a segment of a program title matches a target string.
- 1 23. The system of claim 21, wherein the selection criterion is that a season number of a program matches a predetermined season number.
- 1 24. The system of claim 1, wherein the signal transmitter is coupled to the recording device 2 by an infra red transmitter.

1 25. The system of claim 1, wherein the signal transmitter is coupled to the recording device 2 by a radio frequency transmitter. 1 26. The system of claim 1, wherein the signal transmitter is coupled to the recording device 2 by a serial bus. 1 27. The system of claim 1, further comprising a radio frequency extender coupling the first 2 unit to the recording device. 1 28. The system of claim 3, wherein the remote host and the signal transmitter are a single machine. 2 1 29. A system comprising: 2 means for programmably generating one or more remote control codes used to a. 3 record a program on a recording device; and 4 b. means for translating the remote control codes into control signals for controlling the recording device, the means for transmitting further configured to transmit the 5 6 control signals to the recording device. 1 30. A method of recording a program, the method comprising: 2 transmitting one or more remote control codes to a first device; a. 3 b. receiving the remote control codes on the first device; 4 translating the remote control codes into control signals to control a recording c.

transmitting the control signals from the first device to the recording device.

device to record a program; and

5

6

d.

- 1 31. The method of claim 30, further comprising translating programming information related to the occurrence of a program into a sequence of the remote control codes.
- 1 32. The method of claim 31, wherein the sequence of remote control codes corresponds to a key sequence for recording a program.
- 1 33. The method of claim 32, wherein the program is a broadcast video program.
- 1 34. The method of claim 32, wherein the program is a broadcast audio program.
- 1 35. The method of claim 32, wherein the remote control codes are transmitted to the first device at programmed times.
- The method of claim 32, wherein the remote control codes relate to programming the recording device to record a program at a programmed time.
- 1 37. The method of claim 30, wherein the recording device comprises a video cassette recorder.
- 1 38. The method of claim 30, wherein the recording device comprises a digital video recorder.
- 1 39. The method of claim 30, wherein the recording device comprises an audio recorder.
- 1 40. The method of claim 30, further comprising presenting a pool of programs from which one or more programs can be selected for recording.

1 41. The method of claim 31, further comprising: 2 selecting one or more programs from the pool of programs; and a. 3 b. translating programming information related to the occurrences of the programs 4 into the remote control codes. 1 42. The method of claim 41, wherein selecting a program is performed on second device 2 coupled to the first device. 1 43. The method of claim 42, wherein the first device is coupled to the second device over a 2 wide area network. 1 44. The method of claim 43, wherein the wide area network comprises the Internet. 45. The method of claim 43, wherein the first device and the second device are coupled over 1 2 a local area network. 1 46. The method of claim 41, wherein selecting the programs and translating the programming 2 information are performed on a single machine. 1 47. The method of claim 41, wherein the selected programs are selected according to a 2 selection criterion. 1 48. The method of claim 47, wherein the selection criterion is that a segment of a program 2 title matches a target string. 1 49. The method of claim 47, wherein the selection criterion is that a season number of a

program matches a predetermined season number.

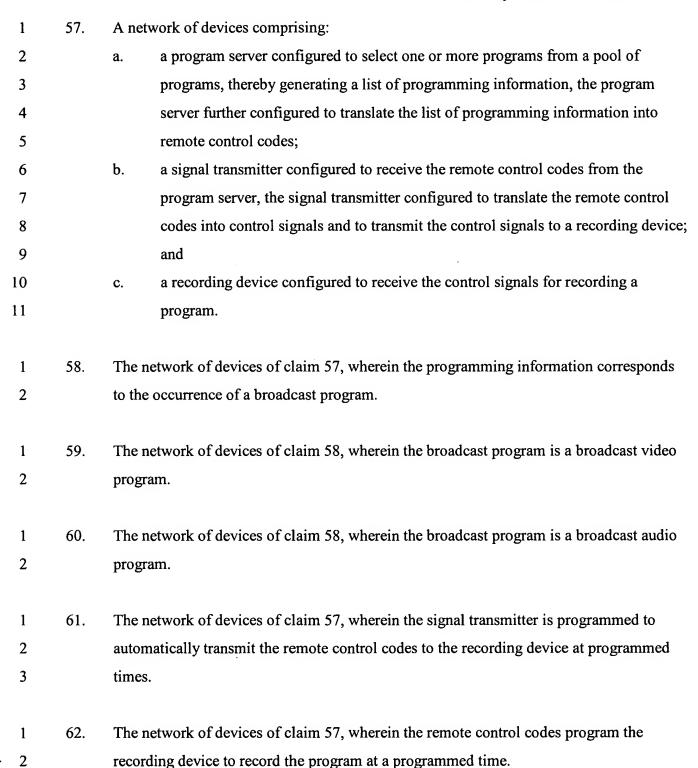
2

- 1 50. A method of recording a program, the method comprising:
 2 a. wirelessly receiving programming information corresponding to the broadcast of
 3 the program;
 - b. tuning a receiver according to the programming information to receive the program; and
- 6 c. storing the program.

4

5

- The method of claim 50, further comprising selecting one or more programs from a pool of programs, thereby generating a list of programming information, and wirelessly transmitting the list to the receiver.
- The method of claim 51, wherein the one or more programs are selected from a pool of programs using a selection criterion.
- 1 53. The method of claim 52, wherein the selection criterion is that a segment of a program title matches a target string.
- The method of claim 52, wherein the selection criterion is that a season number of a program matches a predetermined season number.
- 1 55. The method of claim 50, wherein the program is a broadcast video program.
- 1 56. The method of claim 50, wherein the program is a broadcast audio program.



1 63. The network of devices of claim 57, wherein the recording device comprises a video 2 cassette recorder. 1 64. The network of devices of claim 57, wherein the recording device comprises a digital 2 video recorder. 1 65. The network of devices of claim 57, wherein the recording device comprises an audio 2 recorder. 1 66. The network of devices of claim 57, wherein the program server is coupled to the signal 2 transmitter over a local area network. 67. 1 The network of devices of claim 57, wherein the program server is coupled to the signal 2 transmitter over a wide area network. 68. The network of devices of claim 67, wherein the wide area network comprises the 1 2 Internet. 69. 1 The network of devices of claim 57, wherein the program server is configured to select 2 one or more programs from the pool of programs using a selection criteria. 70. 1 The network of devices of claim 57, wherein the signal transmitter comprises an infra red 2 transmitter electronically coupling the signal transmitter and the recording device. 1 71. The network of devices of claim 57, wherein the signal transmitter comprises a radio 2 frequency transmitter electronically coupling the signal transmitter and the recording

3

device.

- 1 72. The network of devices of claim 57, wherein the signal transmitter comprises a serial bus 2 electronically coupling the signal transmitter and the recording device. 1 73. A system comprising: 2 a program signal source for receiving a program signal; 3 b. a first device coupled to the program signal source, the first device for 4 transmitting the program signal; a second device configured to receive and store the transmitted program signal; 5 c. and 6 7 d. a signal transmitter configured to transmit remote control codes to the program 8 signal source, thereby controlling the transmission of program signals from the 9 first device to the second device.
- The system of claim 73, wherein the program signal source is one of a cable box or a satellite box.
- The system of claim 73, wherein the second device comprises a digital video recorder.
- The system of claim 73, wherein the second device comprises a video cassette recorder.
- The system of claim 73, wherein the first device is configured to transmit the program signal using radio frequency waves and the signal transmitter is configured to transmit the remote control codes using radio frequency waves.
- The system of claim 73, further comprising a program server coupled to the second device, the program server configured to transmit the remote control codes to the second device, the remote control codes related to the recording of a program.

- 1 79. The system of claim 78, wherein the program is a broadcast video program.
- 1 80. The system of claim 78, wherein the program is a broadcast audio program.
- 1 81. The system of claim 78, wherein the program server is coupled to the second device over 2 a wide area network.
- 1 82. The system of claim 81, wherein the wide area network comprises the Internet.
- 1 83. The system of claim 78, wherein the program server is coupled to the second device over a local area network.